anSal REFRIGERACION S.A.
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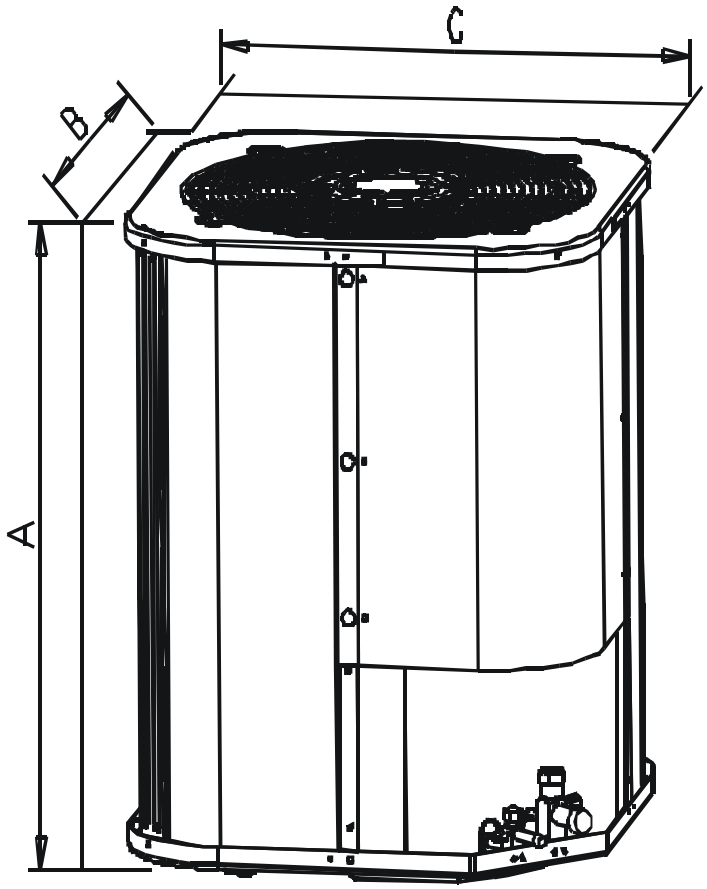
Blue Star

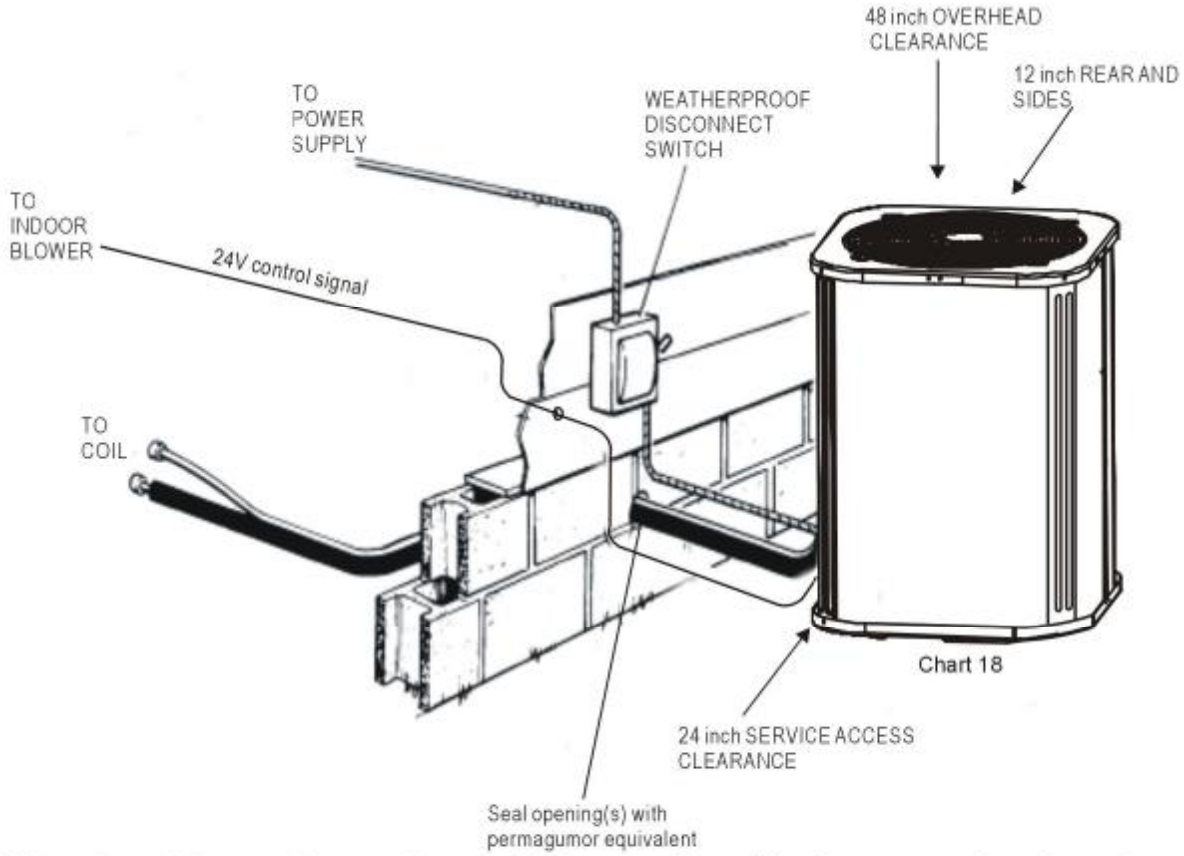
Outdoor Units

3. Dimensions



	A	B	C	Liquid(Φ)	Vapor(Φ)
MOV-30	636/25	554/21-7/8	554/21-7/8	9.53(3/8)	15.9(5/8)
MOV-36	840/33-1/8	554/21-7/8	554/21-7/8	12.7(1/2)	19(3/4)
MOV-48	852/33-1/2	740/29-1/8	740/29-1/8	12.7(1/2)	19(3/4)
MOV-60	852/33-1/2	740/29-1/8	740/29-1/8	12.7(1/2)	19(3/4)

4. Service Space



NOTE: All outdoor wiring must be weatherproof. The part of installing the connecting pipe and wiring can be found in the installation manual of ceiling and floor type.

Note: 1 inch=25.4mm; 48 inch=1219mm; 12 inch=305mm; 24inch=610mm

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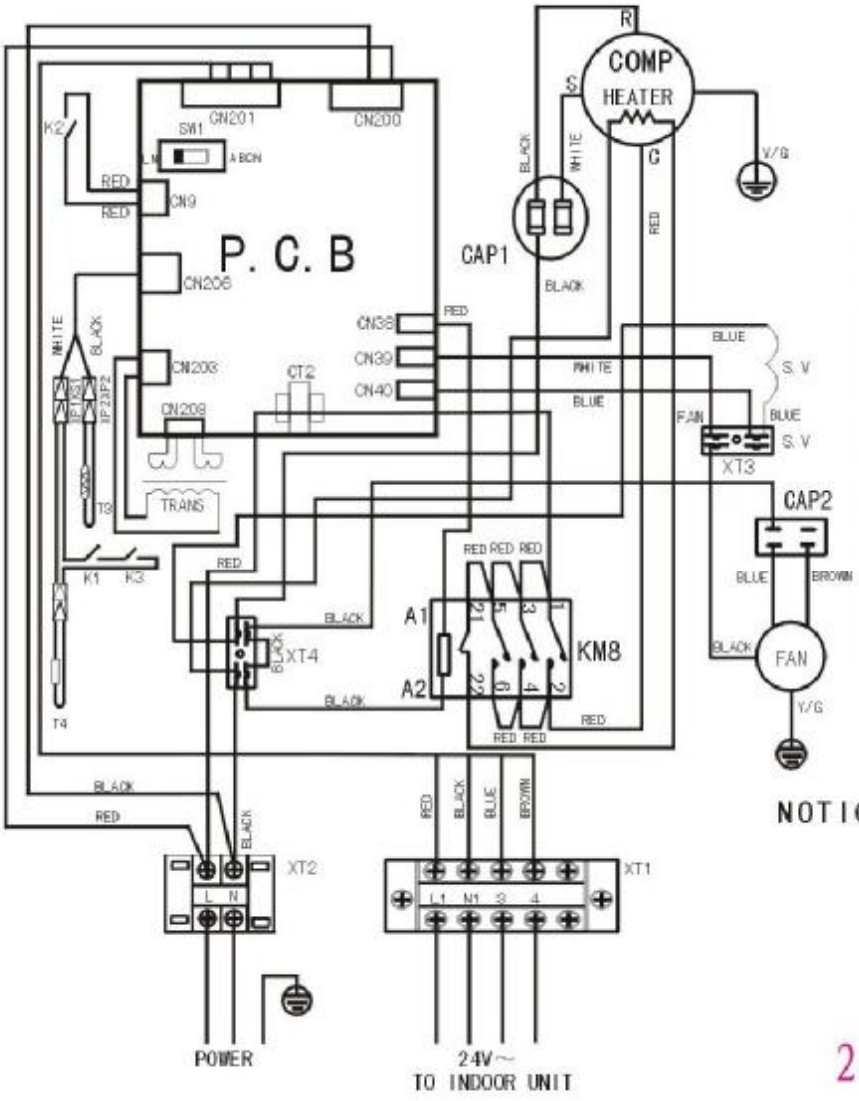
MOV-30HRA

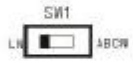


WIRING DIAGRAM

(OUTDOOR UNIT)

CODE	PART NAME
CAP1, CAP2	CAPACITOR
K1, K2	HIGH, LOW PRESS SWITCH
TRANS	POWER TRANSFORMER
FAN	OUTDOOR FAN MOTOR
T4	ROOM TEMPERATURE
T3	PIPE TEMPERATURE
XP1-2, XS1-2	CONNECTORS
CT2	CURRENT DETECT
XT1	5-WAY TERMINAL
XT2	2-WAY TERMINAL
KM8	CONTACTOR
S.V	4-WAY VALVE
XT3, XT4	TERMINAL
K3	COMP. TEMP. SWITH

NOTICE:FACTORY SETTING



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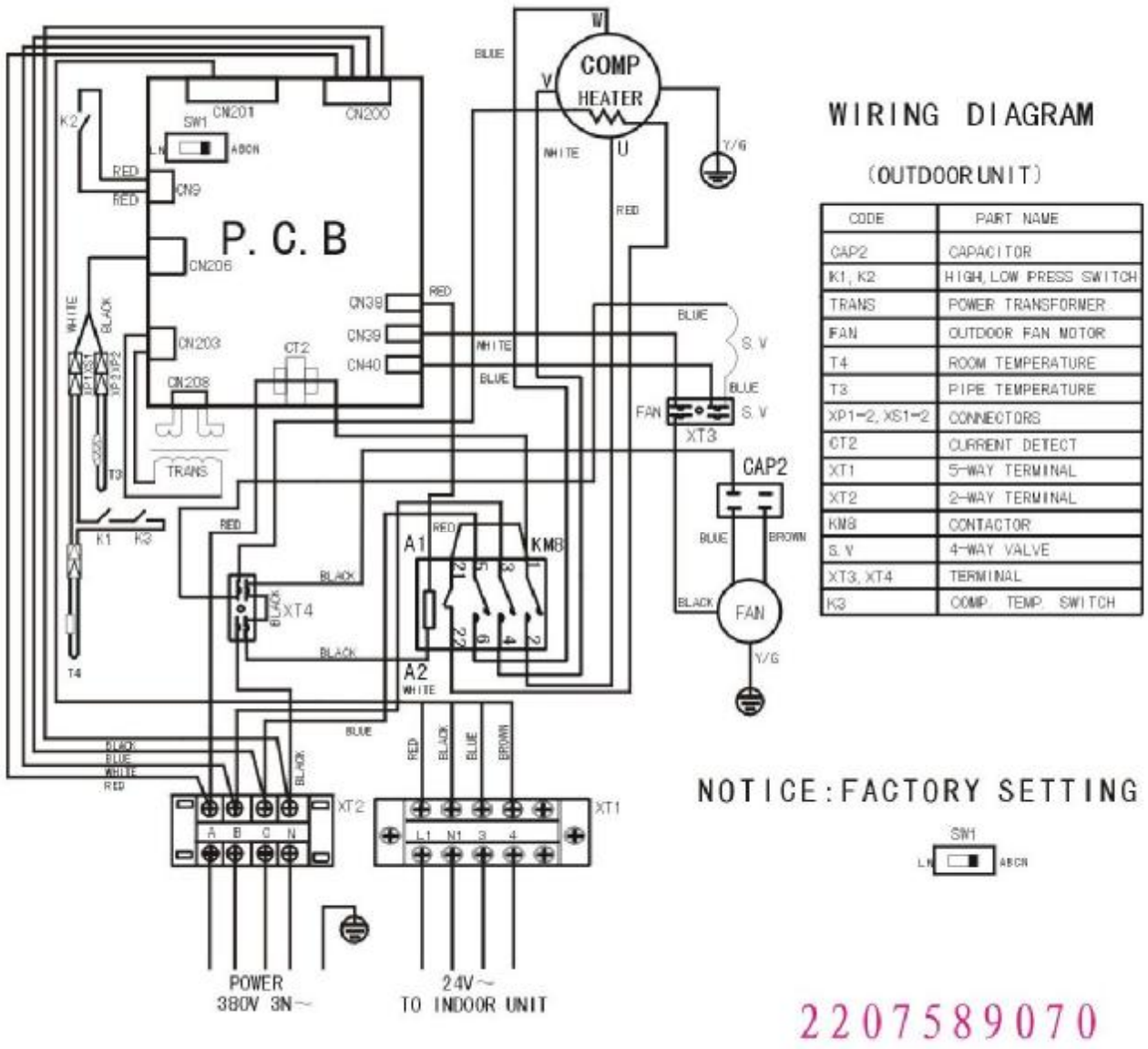
MOV-36HRS, MOV-48HRS, MOV-60HRS



CODE	PART NAME
CAP2	CAPACITOR
K1, K2	HIGH, LOW PRESS SWITCH
TRANS	POWER TRANSFORMER
FAN	OUTDOOR FAN MOTOR
T4	ROOM TEMPERATURE
T3	PIPE TEMPERATURE
XP1-2, XS1-2	CONNECTORS
CT2	CURRENT DETECT
XT1	5-WAY TERMINAL
XT2	2-WAY TERMINAL
KM8	CONTACTOR
S.V	4-WAY VALVE
XT3, XT4	TERMINAL
K3	COMP. TEMP. SWITCH

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6. Electric Characteristics

Model	Outdoor Unit				Power Supply			Compressor		OFM	
	Hz	Voltage	Min.	Max.	MCA	MFA	TOCA	MSC	RLA	kW	FLA
MOV-30C(H)RA	50	220~240	198	264	15.2	20	17.3	61	11.1	0.08	0.62
MOV-36C(H)RS	50	380	342	415	7.9	20	9.5	49	6.7	0.08	0.62
MOV-48C(H)RS	50	380	342	415	13.6	20	14.8	58	10	0.165	1.2
MOV-60C(H)RS	50	380	342	415	13.6	20	14.0	67	10	0.165	1.2

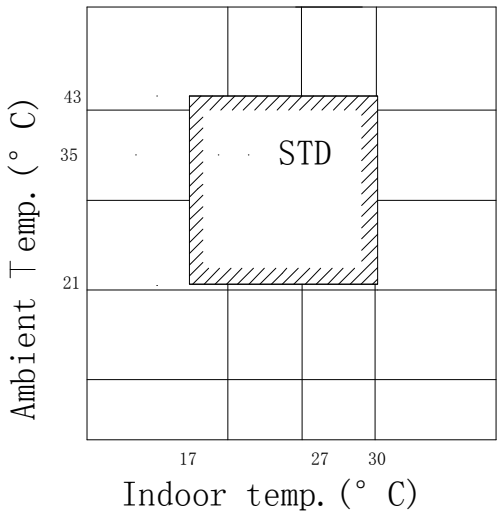
Remark:
MCA: Min. Current Amps. (A)
TOCA: Total Over-current Amps. (A)
MFA: Max. Fuse Amps. (A)
MSC: Max. Starting Amps. (A)
RLA: Rated Load Amps. (A)
OFM: Outdoor Fan Motor.
FLA: Full Load Amps. (A)
kW: Rated Motor Output (KW)

7. Operation Limits

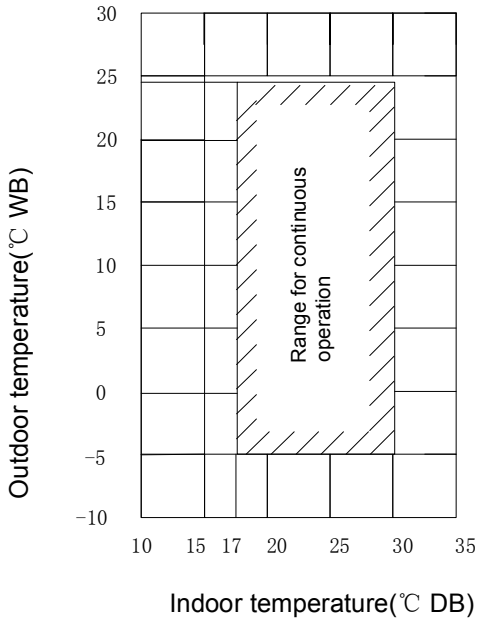
Temperature range for unit operation:

Item / Model	Cooling mode		Heating mode	
	Outdoor	Indoor	Outdoor	Indoor
All model	21℃~43℃	17℃~30℃	-5℃~24℃	17℃~30℃

Cooling



Heating



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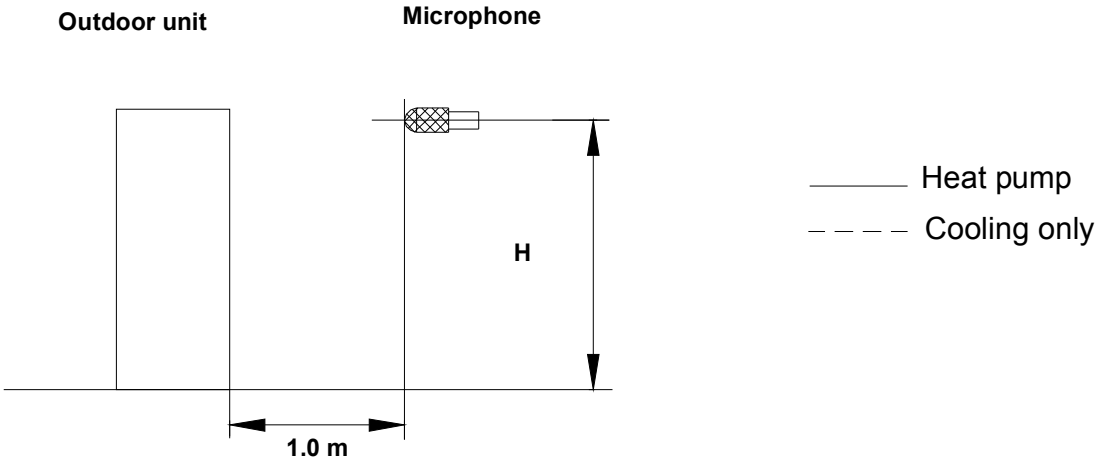
8. Sound Levels



Note: H= (unit's hight+1)/2 m

Model MOV-	Noise level dB(A)
30CRA	61.7
36CRS	59.9
48CRS	65.8
60CRS	65
30HRA	62.8
36HRS	61.4
48HRS	67.1
60HRS	67